

# Maintaining A Winning Strategy

## American Recovery and Reinvestment Act

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U.S. Department of Energy

*Presented to:*

**May 19, 2010**

*Environmental Management  
Site-Specific Advisory Board*



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# Overview



- Introduction
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- Jobs
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- Footprint Reduction
- Energy Parks
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- Issues and Challenges
- Communication
- Summary



# EM Received \$6 Billion in ARRA Funding

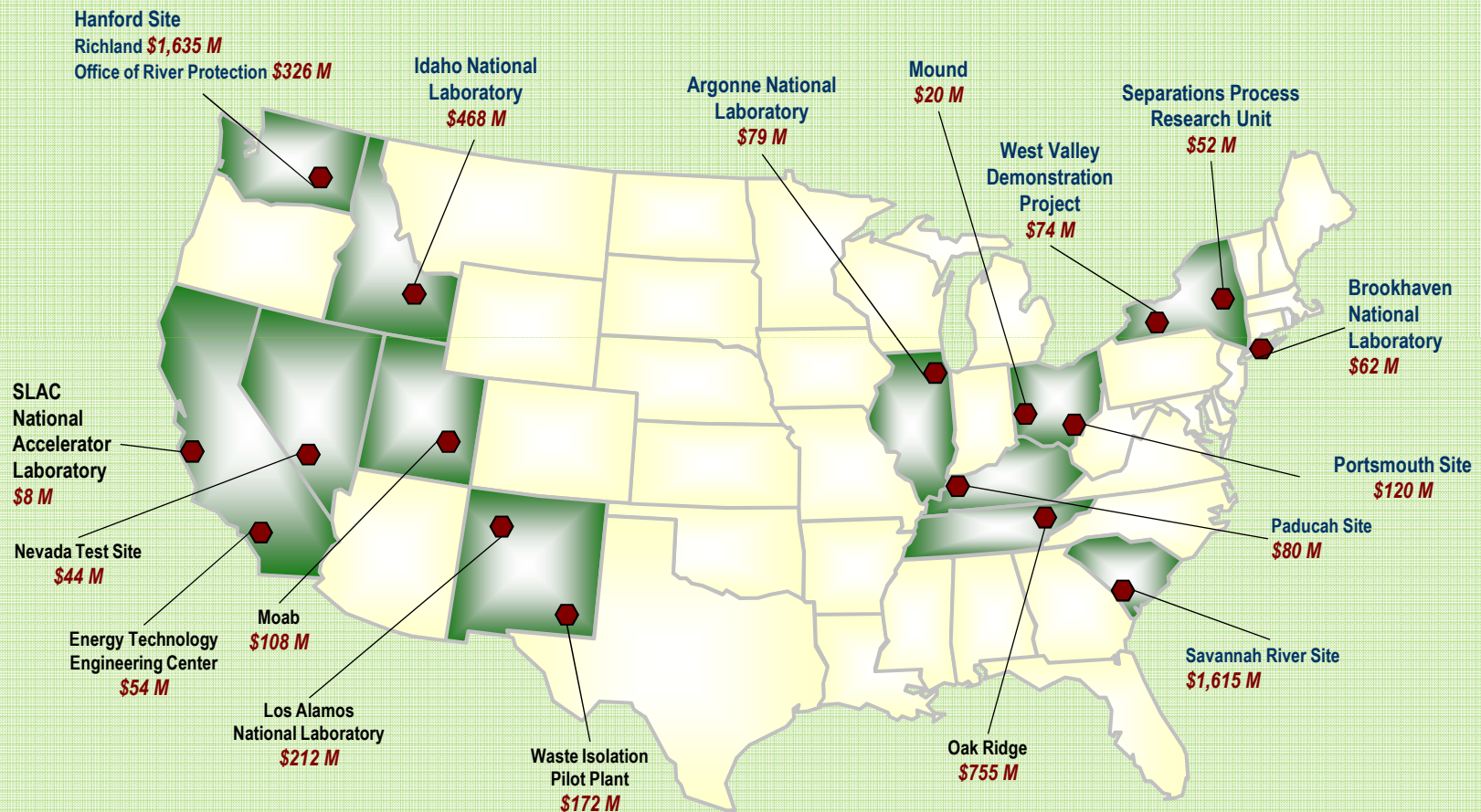


- Directed towards existing scope that can most readily be accelerated
  - Soil and groundwater remediation
  - Radioactive solid waste disposition
  - Facility decontamination & decommissioning
- “Shovel-ready” projects
  - Fully-defined cost, scope, and schedule
  - Established regulatory framework
  - Proven technology
  - Proven performance
  - Existing contract vehicles
- Focus on EM completion and footprint reduction
- Recovery Act funding will accelerate approximately 48 compliance milestones





# \$6 Billion: A Winning Strategy in Communities Across the Country



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12 States, 17 Sites  
Uranium/Thorium \$70 M  
Management & Oversight \$46 M

# Recovery Act Funding Obligations at EM Sites



Site	Spend Plan	Obligated to Contracts	Outlaid (Payments) to Date
Argonne National Laboratory	\$79,000,000	\$79,000,000	\$17,843,017
Brookhaven National Laboratory	\$61,855,000	\$61,855,000	\$29,636,471
ETEC	\$54,175,000	\$54,162,338	\$40,774,527
Hanford (Office of River Protection)	\$326,035,000	\$325,935,000	\$85,878,099
Hanford (Richland)	\$1,634,500,000	\$1,633,993,060	\$447,055,241
Idaho	\$467,875,000	\$423,775,000	\$164,129,848
Los Alamos National Laboratory	\$211,775,000	\$211,775,000	\$64,234,008
Moab	\$108,350,000	\$108,350,000	\$35,653,505
Mound	\$19,700,000	\$19,700,000	\$7,354,416
Nevada Test Site	\$44,325,000	\$44,325,000	\$21,169,572
Oak Ridge	\$755,110,000	\$592,063,150	\$188,085,100
Paducah	\$80,400,000	\$80,400,000	\$22,119,887
Portsmouth	\$119,800,000	\$119,800,000	\$36,020,195
Savannah River	\$1,615,400,000	\$1,364,303,407	\$563,257,473
SLAC	\$7,925,000	\$7,925,000	\$5,188,781
SPRU	\$51,775,000	\$51,775,000	\$13,193,573
WIPP	\$172,375,000	\$172,344,322	\$58,169,791
West Valley	\$73,875,000	\$62,875,000	\$19,904,745
Title X Uranium/Thorium Reimbursements	\$69,650,000	\$46,024,344	\$45,629,019
Management & Oversight	\$30,000,000	\$17,007,363	\$11,093,053
Unallocated	\$16,100,000	\$0	\$0
<b>Total</b>	<b>\$6,000,000,000</b>	<b>\$5,477,387,984</b>	<b>\$1,876,390,321</b>



# Over 20,000 Workers Have Benefitted



Reported EM Jobs Using Recovery Act Funding (CY2010)			
Site (State)	Q1 2010 (Jan-Mar 2010)		EM Recovery Act Headcount "Lives Touched" (Cumulative from start of project through 03/31/2010)
	Recovery.gov Prime Contractor Jobs (FTEs)	Recovery.gov Prime Contractor plus Subcontractor Jobs (FTEs)	
Argonne National Laboratory (IL)	93	129	263
Brookhaven National Laboratory (NY)	18	93	172
Energy Technology Engineering Center (CA)	5	15	248
Hanford-Office of River Protection (WA)	188	414	1,235
Hanford-Richland Operations Office (WA)	1,116	2,486	5,197
Idaho National Laboratory (ID)	760	786	1,902
Los Alamos National Laboratory (NM)	120	296	653
Moab UMTRA Project (UT)	148	227	229
Mound Site (OH)	9	42	50
Nevada Test Site (NV)	67	110	545
Oak Ridge Reservation (TN)	1,141	1,886	3,749
Paducah Gaseous Diffusion Plant (KY)	165	253	626
Portsmouth Gaseous Diffusion Plant (OH)	142	464	794
Savannah River Site (SC)	1,389	2,258	3,340
Stanford Linear Accelerator Center (CA)	32	42	146
Separations Process Research Unit (NY)	32	119	219
West Valley Demonstration Project (NY)	84	128	377
Waste Isolation Pilot Plant (NM)	150	270	504
<b>TOTALS</b>	<b>5,659</b>	<b>10,018</b>	<b>20,249</b>



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# EM ARRA Performance To Date












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Actual to Date (04/30/10)  
Target to Date (04/30/10)  
ARRA Total

# Getting The Job Done



Performance Measure	Overall ARRA Goals (Sept. 30, 2011)	April 30, 2010 Plan	Accomplishments (as of Apr. 30 , 2010)		
Facility Square Footage Demolished (square feet)	3,144,981	414,671	545,500 (17% of goal)	=	9 football fields 
Demolition Debris and Soil Permanently Disposed (cubic meters)	1,217,177	429,095	335,616 (28% of goal)	=	134 Olympic swimming pools 
Mill Tailings Disposed (tons)	2,004,035	586,055	729,275 (36% of goal)	=	5,064 rail cars  ⇒ 
Contact-Handled Transuranic Waste Processed (certification-ready) (cubic meters)	6,422	1,865	2,006 (31% of goal)	=	9,635 55-gal drums 
Contact-Handled Transuranic Waste Certified for Final Disposal (cubic meters)	9,949	2,477	1,276 (13% of goal)	=	438 TRUPACT IIs (6,129 55-gal drums) (146 shipments) 
Transuranic Waste Inventory Dispositioned (cubic meters)	8,398	1,050	1,241 (15 % of goal)	=	5,961 55-gal Drums  
Low-Level and Mixed Low-Level Waste Permanently Disposed (cubic meters)	72,687	14,633	16,421 (23% of goal)	=	78,872 55-gal drums 



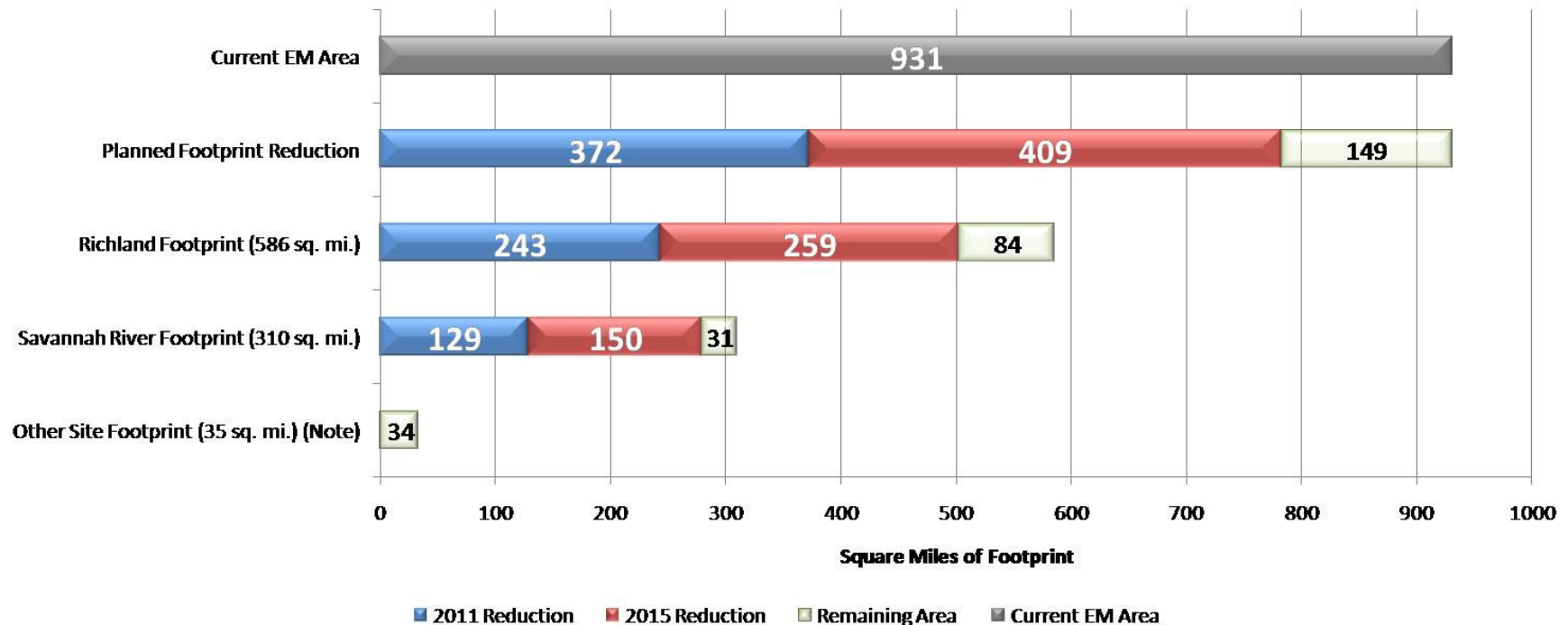
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# EM Footprint Reduction Goals

40% by FY 2011, ~90% by FY 2015



- Total footprint under EM control includes both impacted and un-impacted areas (931 sq. miles).
- Total footprint reduction mileage includes cleanup performed by both base program and ARRA.
- Footprint reduction is assumed at time of physical completion of activities with petition for regulatory approval to follow.
- Footprint reduction does not mean the moving of site boundary fences.
- At the end of EM's mission, some property will require long term maintenance, but most will be available for beneficial reuse.
- FY 2015 footprint reduction goal assumes favorable funding profile.



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# Recovery Act to Energy Parks



Recovery Act

Economic  
Stimulus



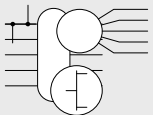
## Public-Private Partnership

DOE Programs, Sites, & National  
Laboratories; Communities; Private  
Sector; Other Stakeholders

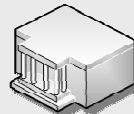
### Benefits:

- Clean Energy
- Energy Security
- Enhanced Competitiveness

Energy  
Parks



Land and  
Infrastructure  
Available



Jobs created



Lifecycle cost  
reduced



Environment  
protected



Footprint  
reduced



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# Accelerating Compliance Milestones

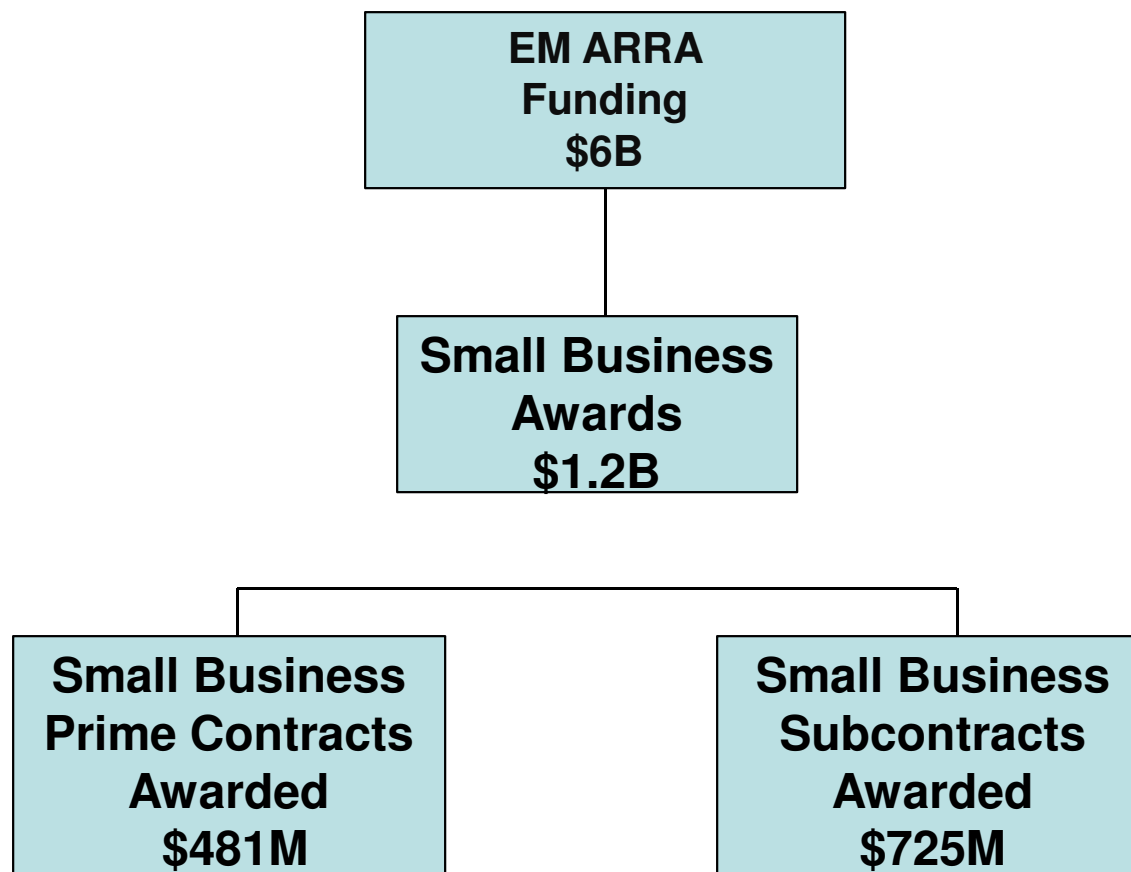


- Approximately 40 agreements/orders in place with regulators dealing with EM's cleanup mission.
- Recovery Act projects on-track to accelerate 48 compliance milestones (between 1 to 19 years).
- Already 14 of the 48 milestones have been met.
- A listing of accelerated milestones and states can be found at [www.em.doe.gov/emrecovery](http://www.em.doe.gov/emrecovery).

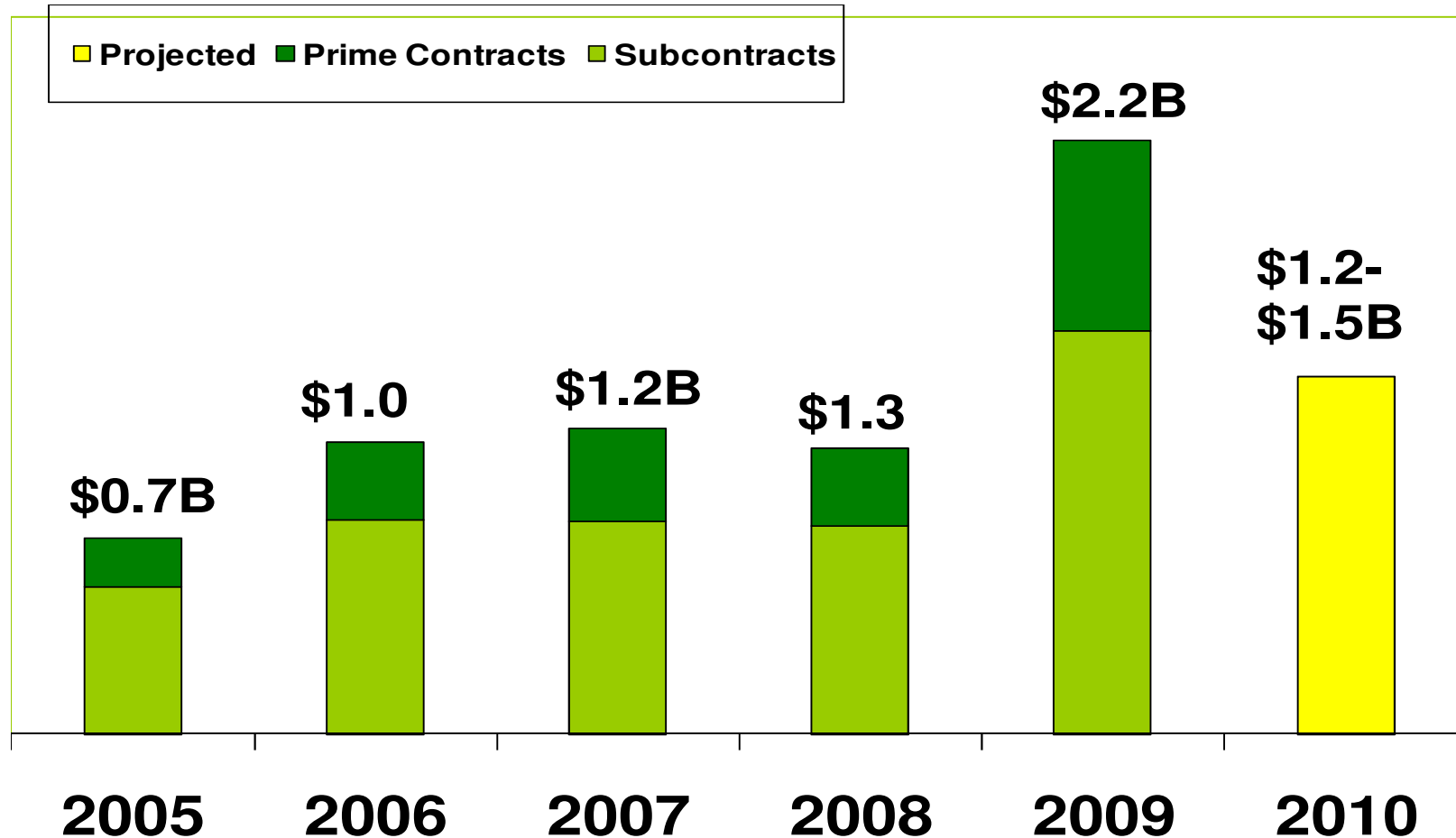




# Recovery Act Funding Awarded to Small Businesses



# EM Total Small Business Funding



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# Observations and Lessons



- **Planning**
  - 2015 Strategic Initiative – on-the-shelf projects ready to go
  - Contracts ready to go – easy to add additional scope
  - wish for more up-front pre-planning – clearer project scoping, costing and scheduling
  - changing requirements
- **Early and Frequent Communications**
  - on-going engagement with Stakeholders Congress, OMB, GAO, IG
- **Recruiting and Teaming**
  - Creating a sense of urgency
  - Culture of continuous improvement
  - Power of a small enthusiastic dedicated team
- **Reinforced use of DOE Order 413 Project Management System**
  - Reviews (external, program, others) , reporting, metrics
- **On-the-ground Site Representatives**
  - site advocacy and oversight





# Observations and Lessons



- **Vigorous engagement between HQ and Recovery Act Sites**
  - day to day interactions
  - HQ site visits – support and oversight roles
- **IPABS data collection system**
  - financials, metrics, change control
- **Clear definitive projects –carving of work scope**
  - based on the right scope, cost and schedule
  - Correct review level
  - easier to manage
  - more meaningful reporting
  - achieving results
- **Sharper reporting resolution**
  - Dashboard – EVMS, EAC/VAC, metrics, milestones,
  - spending rates
- **Looking to the Future**
  - getting out in-front of issues
  - risk management
  - ARRA ramp-down



# Issues and Challenges Going Forward



- Project execution
  - Working safely
  - Achieving footprint reduction scope
- Spending
- June 2010
  - Revisions to POPs
  - Finalization of funds documents
  - Update Project Risks
- FY2011
  - Initiation of buyback projects
  - Workforce transitions



# Communicate. Communicate. Communicate



EM Headquarters and Field sites are striving to provide “unprecedented transparency” as to where the ARRA money is going and what is being accomplished.

- Hot Link Jobs Button
- EM Recovery Act newsletter
- Weekly News Flash
- EM Recovery Act website
- Stakeholder conference calls
- Public meetings
- OMB/Congress
- GAO/IG



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# Summary



EM Recovery Act Program is making progress in achieving job creation and environmental cleanup through the *American Recovery and Reinvestment Act*.

- Safety is the # 1 priority for all EM activities
- More than 99% of Recovery Act funds have been allocated to sites
- \$5.7 billion obligated to contracts for EM Recovery projects
- 20,000 jobs created and preserved in 12 States
- Over \$1.7 billion spent on Recovery work
- Achieved EM small business prime and subcontracting goals
- Monthly monitoring of project execution and performance
- Active engagement with stakeholders and regulators



# Learn More About the EM Recovery Act Program



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You are here: DOE Home > Recovery and Reinvestment > Ask an Expert: DOE Recovery Act Clearinghouse

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**Ask an Expert: DOE Recovery Act Clearinghouse**

The purpose of the DOE Recovery Act Clearinghouse is to help increase the availability of information about DOE's American Recovery and Reinvestment Act of 2009 (ARRA) activities. The Clearinghouse will provide initial consultations, and also make referrals when appropriate to other information sources (websites, documents, DOE staff, etc).

You can [contact us](#) with your questions using our submittal form, by calling our toll-free number: 1-888-DOE-RCVY (1-888-363-7289), or browse our list of frequently asked questions. Media inquiries should be directed to the [DOE Press Office](#).

**FREQUENTLY ASKED QUESTIONS**

**Funding Opportunities**

- [How do I find out about the funds available from DOE?](#)
- [When will funds become available?](#)
- [What types of funding are available from DOE?](#)
- [How do I apply for a grant from DOE?](#)
- [How do I apply for a contract from DOE?](#)
- [How do I apply for a loan guarantee from DOE?](#)

## EM Recovery Act Program Office

<http://www.em.doe.gov/emrecovery>

Email: [EMRecovery@em.doe.gov](mailto:EMRecovery@em.doe.gov)

Phone: 202-586-2083

## DOE Recovery Act Clearinghouse

<http://RecoveryClearinghouse.energy.gov>

Email: [RecoveryClearinghouse@hq.doe.gov](mailto:RecoveryClearinghouse@hq.doe.gov)

Phone: 1-888-DOE-RCVY



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